

Universitas Bina Nusantara
Jurusan Teknik Industri Fakultas Sains dan Teknologi
TUGAS AKHIR
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**ANALISA PERBAIKAN PROSES UNTUK MENURUNKAN WAKTU
PROSES *WELDING CUTTING CHECK*
DI QUALITY ASSURANCE WELDING LABORATORIUM
PT. ASTRA DAIHATSU MOTOR**

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Abstrak

Pengecekan Welding Cutting Check merupakan aktivitas penting dalam menggaransi part welding yang diproduksi oleh PT. Astra Daihatsu Motor. Quality Assurance berperan penting dalam proses pengecekan kualitas body mobil tersebut. Dengan berkembangnya jumlah produksi mobil PT. Astra Daihatsu Motor, dalam pelaksanaannya Quality Assurance mempunyai kendala dalam waktu pengecekan part welding sehingga jumlah dan waktu yang sudah ditetapkan tidak bisa terpenuhi. Maka pihak manajemen Quality Assurance ingin Welding Laboratorium dapat memenuhi pengecekan welding cutting check sesuai schedule untuk menggaransi kualitas part – part welding. Tujuan dari penelitian ini adalah untuk menurunkan waktu pengecekan welding cutting check di Welding Laboratorium Quality Assurance. Metode pemecahan masalah dilakukan dengan cara merumuskan masalah yang terjadi dan dilanjutkan dengan pencarian studi literatur. Untuk pengumpulan data dilakukan pengamatan dan penelitian secara langsung di PT. Astra Daihatsu Motor. Setelah itu dilanjutkan dengan pengolahan dan analisis data menggunakan beberapa metode yang digunakan dalam penentuan waktu standar, analisa masalah dan perbaikan. Hasil dari penelitian ini dapat menurunkan waktu proses cutting check welding sehingga dapat tercapai permintaan pengecekan welding part sesuai schedule dan memberikan informasi perbandingan produktivitas sebelum dan sesudah improvement yang bisa sebagai acuan ekspansi pengecekan terhadap part – part lainnya. Di samping kecepatan waktu proses bertambah, improvement tersebut memberikan penghematan biaya dalam proses cutting check kepada PT. Astra Daihatsu Motor.

Kata kunci

Spot Welding, Arc Welding, Welding Cutting Check, Welding Laboratorium, Waktu Standar , Produktivitas

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**PROCESS IMPROVEMENT ANALYSIS TO REDUCE
WELDING CUTTING CHECK PROCESS TIME
IN QUALITY ASSURANCE WELDING LABORATORY
PT. ASTRA DAIHATSU MOTOR**

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Abstract

Welding Cutting Checks is an important activity in the guarantee welding parts produced by PT. Astra Daihatsu Motor. Quality Assurance plays an important role in the process of checking the quality of the car body. With the growing number of production cars at PT. Astra Daihatsu Motor, Quality Assurance in the implementation constraints have in the checking part and welding so that the amount of time set will not be fulfilled. The management wants Welding Quality Assurance Laboratory to meet the appropriate welding cutting check schedule to guarantee the quality of welding parts. The purpose of this study was to reduce the time of checking welding cutting checks in Welding Laboratory Quality Assurance. Method of problem solving is done by formulating the problem and continued with the study of literature search. For data collection and research conducted direct observations in PT. Astra Daihatsu Motor. After that proceed with the processing and analysis of data using several methods used in the determination of time standards, problem analysis and improvement. The results of this research can reduce cutting time of check-welding process that can be achieved according to the demand schedule of checking welding parts and provide information before and after comparisons of productivity improvement which can be as reference checks on the part of expansion - the other part. In addition to speed processing time increases, the improvement it provides cost savings in the process of cutting checks to the PT. Astra Daihatsu Motor.

Key Words

Spot Welding, Arc Welding, Welding Cutting Check, Welding Laboratory, Standard Time, Productivity